Listing of Claims

- (Original) A universal protein array, comprising:

 a plurality of substantially pure target polypeptide samples provided on a solid

 support; and

 wherein the samples are immobilized on the solid support in an addressable

 pattern.
- 2. (Original) The array of claim 1, wherein the target polypeptide samples maintain a substantially native protein configuration.
- 3. (Original) The array of claim 1, wherein the target polypeptide samples comprise substantially full-length native proteins.
- 4. (Original) The array of claim 1, wherein each address contains only one substantially pure target polypeptide.
- 5. (Original) The array of claim 1, wherein the addresses are arranged in rows and columns.
- 6. (Original) The array of claim 1, wherein the array is arranged in a computer readable format.

- 7. (Amended) The array of claim 1, wherein the array comprises comprising at least 10 different polypeptide samples.
- 8. (Amended) The array of claim 1, wherein the array comprises comprising at least 30 different polypeptide samples.
- 9. (Amended) The array of claim 1, wherein the array comprises comprising at least 100 different polypeptide samples.
 - 10. (Original) The array of claim 1, wherein the array comprises a microarray.
- 11. (Original) The array of claim 1, wherein the solid support comprises glass, nitrocellulose, polyvinylidene fluoride, nylon, fiber, or combinations thereof.
- 12. (Original) The array of claim 1, wherein the polypeptide samples comprise transcriptional factors, transcriptional activators, or transcriptional coactivators.
- 13. (Original) The array of claim 12, wherein the polypeptide samples comprise TFIIA, TFIIB, TBP, f:TFIID, TFII3; TFIIF, f:TFIIH, Pol II, RXR, TR, Oct 1, Sp1, G4-94, G4-147, G4AH, G4VP16, G4-CTF, G4-Sp1, G4-E1A, G4-IE, G4-Tat, PC4-P, PC4-N, PC4-C, PC4-ΔS, PC4-m1, PC4-m2, PC4-m3, PC4-m4, PC4-m5, PC4-m6, PC4-m7, PC4-wt, p52, p75, p75-C, p300-C, PCAF, PCAF-C, TAF250, Topo I(wt), Topo I(wt), Topo I(wt)*, Topo I(nati), ASF, SR, GST-Nu, or GST-K.

45. (Original)The array of claim 1, wherein the plurality of substantially pure target polypeptides are a collection of related proteins and wherein the collection is selected from the group consisting of:

all or substantially all proteins encoded for by the genome of an organism;

all or substantially all proteins encoded for by a chromosome of an organism;

proteins expressed in a cell during a particular growth phase or environmental condition;

proteins expressed in a cell under a particular abnormal state; proteins expressed in cells at various times during the progression of a disease or condition; proteins expressed in a particular cell type; proteins from a particular protein family; proteins that show sequence homology to each other; proteins that share secondary structural characteristics; proteins that associate to form multimeric complexes;

viral epitopes;

complete or substantially complete domains of proteins; and proteins from different species.